from RTM BASELINE112495
CCR 0631 - uncovered Release A F&PRS RbRs
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reference file

L3 ID	RTM key	L3 RbR Text	RbR Type	Interpretation	L4 ID	RTM key	Rel	L4 Rqmt Text	Clarification	Req Type	linking direction
~~DADS2200#A~~	~~450~~	~~Each DADS shall maintain a list of data which requires some form of data manipulation such as subsetting.~~	~~functional~~	~~A: Question???~~							
~~DADS2230#A~~	~~456~~	~~Each DADS shall inform the collocated PGS of any anticipated resource availability conflicts.~~	~~functional~~								
DADS3150#A	541	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of DAAC-unique data distribution services operated independently of the delivered ECS DADS services.	functional		S-DSS-21312	4942	A	The STMGT CI shall be developed using file storage management systems that have configuration-controlled application programming interfaces (APIs).			add link
DADS3160#A	543	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of an operator interface that may bypass the delivered DADS operator interface.	functional		S-DSS-21312	4942	A	The STMGT CI shall be developed using file storage management systems that have configuration-controlled application programming interfaces (APIs).			add link
EOSD0545#A	3170	ECS shall be able to accommodate growth (e.g., capacity) in all of its functions as well as the addition of new functions.	functional	For compliance refer to Segment Specification 305/DV2, System Design Spec (SDS) 207/SE1.	S-DPS-20040	4361	A	The PRONG CI design and implementation shall have the flexibility to accomodate Processing expansion up to a factor of 3 in its capacity with no changes to the design, and up to a factor of 10 without major changes to its design. Such expansion in capacity or capability shall be transparent to existing algorithms or product specifications.			add link
					S-DPS-60135	4682	A	The SPRHW CI design and implementation shall have the flexibility to accommodate Science Processing expansion up to a factor of 3 in its capacity with no changes in its design and up to a factor of 10 without major changes to its design.			add link
					S-DPS-70050	4740	A	The Algorithm Integration and Test HWCI design and implementation shall have the flexibility to accommodate Algorithm Integration and Test expansion up to a factor of 3 in its capacity with no changes in its design and up to a factor of 10 without major changes to its design.			add link
					S-PLS-01600	4312	A	The PLANG CI design and implementation shall have the flexibility to accommodate Planning expansion up to a factor of 3 in its capacity with no changes to its design, and up to a factor of 10 without major changes to its design. Such expansion in capacity or capability shall be transparent to existing algorithms or product specifications.			add link

					S-PLS-60380	new	A	The PLNHW CI design and implementation shall have the flexibility to accommodate planning workload expansion up to a factor of 3 in its capacity with no changes in its design and up to a factor of 10 without major changes to its design.		evolvable	add link
EOSD5030#A	3337	ECS shall enable the addition of information search and retrieval services, e.g. WAIS, WWW.	evolvable	A: Will provide WWW interface advertising service.	S-CLS-01480	2483	B A	The DESKT CI will utilize an X-windows windowing interface for the GUI.			add link
					S-CLS-10770	2562	B A	The WKBCH CI shall support hierarchical searching of documents in HTML format.			add link
IMS-0020#A	1697	The IMS shall always be accessible to users and an informational status message describing the current availability status of ECS services and the predicted time for resumption of services which are temporarily unavailable shall be provided.	functional								
IMS-0140#A	1723	The IMS shall provide the capability for multiple simultaneous sessions – for example, the capability to transition back and forth smoothly between directory search, inventory search, and data visualization. For example, when viewing a directory entry, the user shall have easy access to the corresponding guide (documentation/reference material) and inventory information.	functional								
IMS-0190#A	1732	The IMS shall provide the capability to save information selected in prior metadata searches for use in subsequent IMS service requests, either in the current session or in future sessions.	functional		S-CLS-12560	2526	B A	The WKBCH CI shall provide the capability to save information selected in prior Metadata searches for use in subsequent Service Requests.			add link
					S-CLS-13480	2569	B A	Users shall be able to save Search Request parameters at any time during the formulation of the Search Request.			add link
					S-CLS-13490	2570	B A	Users shall be able to retrieve any previously saved Search Request parameters into a new Search Request, edit the parameters, save the modified parameters, and/or submit the new Search Request.			add link
IMS-0355#A	1760	The metadata shall be expandable to include additional attributes which are identified during the mission and deemed useful for data search.	functional		S-DSS-00560	1706	A	The SDSRV CI shall provide the capability for operations staff to create Schema Information.			add link
IMS-0390#A	1768	The IMS shall maintain or provide access to directory entries for all data sets accessible through the IMS search and order service.	interface		S-CLS-10015	new	A	The WKBCH CI shall provide the capability for users to compose Directory Searches based on core metadata attributes.		functional	add link
					S-CLS-10755	new	A	The WKBCH CI shall provide users a search and results interface to search for and view Directory information		functional	add link
					S-DMS-30500	new	A	The GTWAY CI shall provide for the submission of Service Requests.		functional	add link
					S-DMS-30505	new	A	The GTWAY CI shall provide for the return of Service Requests results		functional	add link

IMS-0410#A	1770	The IMS shall maintain an on-line guide (documentation /reference material) that provides information about individual EOSDIS data sets.	functional		S-DSS-10010	3575	A	The guide shall be maintained on-line by the DDSRV CI.		functional	add link
					S-DSS-10070	3583	A	The DDSRV CI shall store, maintain and provide data management services for ECS guide (documentation/reference material).		functional	add link
~~IMS-0560#A~~	~~1802~~	~~The IMS shall decompose complex data base search requests into executable data base queries in a manner which is transparent to the user.~~	~~functional~~								
IMS-0620#A	1816	The IMS shall provide access to inventories of selected ODCs and ADCs via level II and level III catalog interoperability as specified in ICDs.	interface		S-CLS-15650	4908	A	The WKBCH CI shall provide an interface for users to obtain data products from the NOAA SAA.			add link
~~IMS-0670#A~~	~~1830~~	~~The IMS shall provide the capability to accept, validate, and fill orders from users for periodic delivery of information stored at the IMS.~~	~~functional~~	~~A: TRMM (CERES, LIS)~~							
~~IMS-0680#A~~	~~1832~~	~~The IMS shall provide data order capabilities integrated with metadata search capabilities.~~	~~functional~~								
~~IMS-0790#A~~	~~1848~~	~~The IMS shall determine the location of requested data products and submit the product order to the data center where the data are archived.~~	~~functional~~								
~~IMS-0840#A~~	~~1857~~	~~The IMS shall provide the capability to receive data order status from the DADS when the ordered data has been shipped to the user.~~	~~functional~~								
~~IMS-0910#A~~	~~1868~~	~~he IMS shall provide the capability to receive the metadata from the DADS, when IP data has been ingested into the EOSDIS archives.~~	~~functional~~								
~~IMS-0970#A~~	~~1879~~	~~The IMS shall determine if requested data products already exist and can be retrieved.~~	~~functional~~								
IMS-1290#A	1926	The IMS shall send a product order to an ADC or an ODC with the identification of the destination DADS and suggested shipping deadline for data required for product processing.	~~interface~~ procedural	This requirement is implemented by procedural agreements documented in the ECS/NOAA ADC IRD.							

IMS-1310#A	1930	The IMS shall provide the capability to accept, from product requesters, product distribution status requests, retrieve the request status, and display the status to the requester for an ECS, ADC, or ODC data product.	interface	At Release A, ECS will support this requirement by users contacting ops/user services who then utilize an ops MSS interface to obtain status.	C-MSS-77050	496	A	The MSS accountability management service shall be capable of interfacing with the SDPS subsystems to determine the status of an ordered data item to be: a. Item Request in queue for processing b. Item Request currently being processed c. Item Request successfully processed d. Error in request processing e. Error in request			add link
IMS-1520#A	1957	The IMS toolkit software shall provide data visualization tools to assist the investigators to perform the following functions, at a minimum: a. QA/Validation of products generated by the PGS b. Algorithm development c. Calibration functions, parameter verification, and anomaly detection d. View subsetted, subsampled, and summarized data whenever associated inventory information is displayed	functional	Release A: Display two-dimensional data arrays as pseudocolor images.	S-CLS-10570	2698	B A	The WKBCH CI shall produce visualizations of images needed for QA, validation, Algorithm development, calibration functions, parameter verification and anomaly detection.			add link
					S-CLS-10580	2699	B A	The WKBCH CI shall produce visualizations of multi-dimensional arrays needed for QA, Validation, Algorithm development, calibration functions, parameter verification and anomaly detection.			add link
					S-CLS-10590	2700	B A	The WKBCH CI shall produce visualizations of tables of numbers needed for QA, Validation, Algorithm development, calibration functions, parameter verification and anomaly detection.			add link
IMS-1645#A	1973	The IMS shall accept from the users and output to the SMC**,** user feedback information, which shall contain the following at a minimum: a. Product data quality assessment b. Schedule performance assessment c. Evaluation of quality of ECS service	interface	A: User comments only.	S-CLS-14040	2757	B A	The WKBCH CI shall automatically add the date, time and client release version identification to User Comments.			add link
					S-CLS-14045	new	A	The WKBCH CI shall accept user feedback information and send this information to User Services.			add link
PGS-0170#A	2177	The PGS shall receive priority assignments, schedule conflict resolutions, and other operational directives.	functional	A: Schedule conflict resolution locally @ DAAC.	S-DPS-22400	4499	A	The PRONG CI shall accept Operations Commands to suspend, resume, or cancel the processing of a Data Processing Request.			add link
					S-DPS-22410	4500	A	The PRONG CI shall accept an Operations Command to modify a Data Processing Request.			add link

					S-PLS-00005	4220	A	The PLANG CI shall accept priority Production Requests for the generation of specific Data Products.	Specific = the data products for which the site has correspondin g PGS's PGE's from AI&T.		add link
					S-PLS-00440	4244	A	The PLANG CI shall maintain Production Rules that define the production strategy (rules defining production priorities and preferences) to be used when preparing a Production Plan.			add link
PGS-0455#A	2239	The PGS shall have the capability to assess the quality of spacecraft orbit and attitude (O/A) data contained in the ancillary data. QA shall be in the form of limits checking.	functional		S-DPS-30610	5152	A	The PRONG CI shall process the TRMM spacecraft ancillary data to assess the quality of onboard attitude data to detect and note in metadata the following conditions: a. missing data b. erroneous data (i.e. invalid Euler angle, invalid Euler angle rate)	RLS A capability ~~only~~ includes the verification of INGST interface for O/A QA, and the QA of TRMM onboard attitude data. Orbit data provided by FDF for TRMM, does not require PDPS style QA. ~~RLS B capability includes the implementation of the INGST interface for QA of Q/A data. Limits checking is done through INGST.~~		add link
~~PGS-0456#A~~	~~2241~~	~~The PGS shall notify the FDF, via the DADS, of O/A quality checks and request updated (refined/repaired) O/A data from the FDF when necessary.~~	~~functional~~	~~A: Early interface testing only~~							
PGS-0960#A	2311	The PGS shall send the DADS new or modified algorithms. This delivery shall contain the following information at a minimum: a. Source code including version number and author b. Benchmark test procedures, test data and results c. Date and time of operational installation d. Final algorithm documentation e. Calibration coefficient values	functional	A: CERES, LIS	S-DPS-41920	new	A	The AITTL CI shall provide to the operations staff the capability to store a Science Software Archive Package to the Data Server.		functional	add link

					S-DPS-41910	new	A	The AITTL CI shall provide to the operations staff the capability to retrieve a copy of a specific Science Software Archive Package.		functional	add link
~~PGS-1410#A~~	~~2394~~	~~The PGS shall provide the capability for each DAAC to add to the data production environment toolkit DAAC-developed software required to support discipline specific needs.~~	~~functional~~								
~~SDPS0016#A~~	~~2482~~	~~The SDPS shall coordinate and resolve schedule conflicts between IMS, DADS and PGS.~~	~~functional~~								
~~SMC-3310#A~~	~~2642~~	~~The SMC shall monitor each elements schedule and execution of events.~~	~~functional~~	~~A: Manual~~							
SMC-3421#A	2690	The SMC shall analyze user feedback information supporting the development of recommended remedial or enhancement actions.	~~TBD~~ functional	~~This requirement will require L4s to be traced to it. L4s should indicate requirement to provide tools to facilitate meeting this requirement, while~~ M&O will write procedures to accomplish this capability.	C-MSS-91010	A	321	The MSS Office Automation word processing capability shall facilitate the: a. preparation, revision, and recording of documents, messages, reports, and data b. import, transformation, and editing of documents produced by other word processing packages c. insertion of worksheet and graphic images into documents, messages, and reports d. transfer of document, message, and report information to spreadsheet and graphics applications e. printing of documents, messages, reports, and data			add link
					C-MSS-91020	IR1	2403	The MSS Office Automation shall provide a spreadsheet capability that: a. simulates and displays an accountant's worksheet b. enables revisions and calculations on the displayed worksheet's data c. enables transfer of the worksheet data to database, word processing and graphics applications d. enables printing of worksheet information.			add link